

High Flow Direct Mount Namur Solenoid Valves

For control of pneumatic actuators

1/4" & 1/2" NPT valves for 3/2, 5/2 or 5/3 operation



Parker Fluid Control Division is continually expanding its Valve Actuation product portfolio to meet the ever increasing demands of the process industry.

The addition of the High Flow direct mount NAMUR solenoid valves for the Process and Industrial markets complements our highly successful specification grade 7300 Series product line. This product line provides new, cost effective solutions for general purpose customer application needs.

The 1/4" NPT valve with conversion plate for 3/2 or 5/2, operation simplifies ordering, reduces inventory levels and allows for faster delivery.



Contact Information

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Applications

- Water & Sewage
- Pulp & Paper
- Food & Beverage
- Pharmaceutical
- Powder Dosing Machines
- Powder Transportation
- Process Industry

Benefits

- Compact Design
- High flow Rates up to 3.0 Cv
- Fail Safe Operation
- Outdoor Use
- Long Life Expectancy
- FM & CSA Approvals
- Reduced inventory



ENGINEERING YOUR SUCCESS.

Technical Specifications:

Media: Dry or Lubricated Air

Minimum Ambient Temp: 14°F (-10°C)

Maximum Ambient Temp: 122°F (+50°C)

Body: Aluminum

Seal: FKM

Manual Override: Locking Manual Override Standard

Port Size NPT	Orifice Size in.	Flow Factor Cv	Operating Pressure Differential (MOPD)		Wattage	Function	Solenoid	Min. Fluid Temp. °F	Max. Fluid Temp. °F	Pressure Vessel Number
			Minimum PSI	AC/DC Rating PSI						
1/4	.27	1.2	37	150	5 W	3/2	Single	32°F	122°F	U331N03
1/4	.27	1.2	37	150	5 W	5/2	Single	32°F	122°F	U341N03
1/4	.27	1.2	37	150	5 W	3/2, 5/2	Single	32°F	122°F	U341N05
1/4	.27	1.2	30	150	5 W	5/2	Double	32°F	122°F	U347N03
1/4	.27	1.2	45	150	5 W	5/3	Double	32°F	122°F	U342N03
1/2	.47	3.0	37	150	5 W	3/2	Single	32°F	122°F	U331N04
1/2	.47	3.0	37	150	5 W	5/2	Single	32°F	122°F	U341N04

22mm DIN (43650B)



Class F

Protection Class: IP65 with approved connector

Approvals: UL Recognized Component for US & Canada

Voltage	Coil	* Voltage Code
12 VDC	ND1*	A
24 VDC	ND1*	B
24/60	ND1*	E
120/60	ND1*	F
240/50-60	ND1*	G

DIN Coil Electrical Options (Order Separately)

Option Part Number	Option
DX001	Din Form "B" Strain Relief Cable Gland Connector
DX002	Din Form "B" 1/2" NPT Conduit Plug Connector

Conduit - Hazardous Location Coil



Class H

Approvals- FM†, CSA

Protection Class: IP65

FM and CSA approvals for Class 1, Div. 1&2; Group A,B,C,D

Class II, Groups E,F,G.

Class III

Meets Class 1 Zone 1

Ex m II T4

Voltage	Coil Code	* Voltage Code
12 VDC	NH1*	A
24 VDC	NH1*	B
24/60	NH1*	E
120/60	NH1*	C
240/60	NH1*	D

Hazardous Location Coil Spacer Plate Kits

N60001: Spacer plate with seals and longer mounting screws (1/4" Spacer plate required for Hazardous coils on pressure vessels U331N03, U341N03, U347N03, U342N03)

N60002: Spacer plate with seals and longer mounting screws (1/2" Spacer plate required for Hazardous location coils on pressure vessels U331N04, U341N04)

How to order Complete Valves:

Valve with DIN Coil	Valve with Hazardous Location Coil
U331N03ND1*	U331N03NH1* (spacer plate included)
U341N03ND1*	U341N03NH1* (spacer plate included)
U341N05ND1*	U341N05NH1* (spacer plate not required)
U347N03ND1*	U347N03NH1* (spacer plate included)
U342N03ND1*	U342N03NH1* (spacer plate included)
U331N04ND1*	U331N04NH1* (spacer plate included)
U334N04ND1*	U334N04NH1* (spacer plate included)

*Add voltage code from the above coil charts to complete part number.